USER MANUAL

CREATE MORE XITEMENT

PDT 4740

PORTABLE DVD-PLAYER

Dear customer!

First of all thank you very much, that you have decided for the

cmx® PDT 4740!

Please read all information’s carefully before you start running the cmx® PDT 4740.

Our company reserves the right to improve the product. That changes to specifications and design, also without notice.

If you have problems, please visit our website at www.cmx-electronics.com and select your device.

Under the point "Support" you find the most frequently asked questions about your device - if not, please use the contact form.

If you provide variations of your product, please visit our website.

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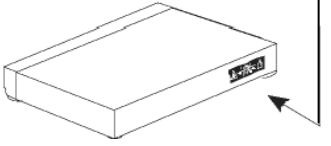
1. Safety instructions

The lightning flash is alerting the user of dangerous high voltage that may be of sufficient magnitude to constitute a risk of electric shock.

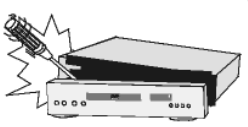
The exclamation mark alerts the user of important user and maintenance instructions.



CAUTION

To reduce the risk of electric shock, do not remove the cover or back of this product. There are no user-serviceable parts inside. Refer servicing to qualified service personnel.

DO NOT LOOK DIRECTLY INTO LASER BEAM!



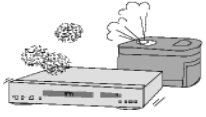
Do not open!

Do not use the unit near water!

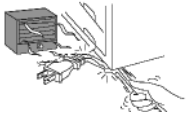
Do not use deformed or scratched discs!

Put the player on a stable Surface.

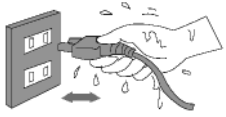
Do not put any heavy objects on the player.



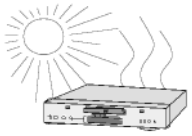
Do not use the player under Humid conditions.



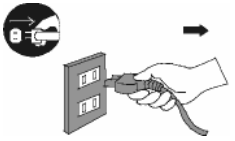
Do not use a damaged cable.



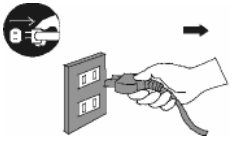
Do not touch the cable with wet handy



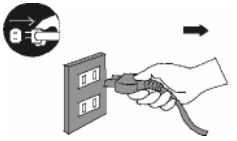
Do not expose the unit to direct sunlight or high temperatures.



Turn off the player, if the mains plug is not properly inserted into the wall outlet.



Disconnect from the mains during thunder storms and If you will not use the unit for a longer period of time.



Disconnect from the mains if the unit got wet or damaged.

Disposal of Old Electrical & Electronic Equipment

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment.

This is indicated by the symbol on the product, on the user manual or on the packaging materials.

Not polluting batteries!

Batteries shall not be disposed of with the household waste.

The consumer is legally obligated to return batteries after use, e.g. to public collection points or where similar batteries are sold.

Notes to copyrights

It is forbidden by law to copy, broadcast, show, broadcast via cable, play in public or rent copyrighted material without permission.

This product features the copy protection function developed by Macrovision. Copy protection signals are recorded on some discs. When recording and playing the pictures of these discs picture noise will appear. This product incorporates copyright protection technology that is protected by method claims of certain U.S. Patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. User of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by macrovision Corporation. Reverse engineering or disassembly is prohibited.

Serial number

You can find the serial number on the back of this unit. This number is unique to this unit and not available to others. You should record requested information here and retain this guide as a permanent record of your purchase

Model _____

Serial number _____

Date of purchase _____

2. Features

The PDT 4740 features the following characteristics:

Compatible with different AV file formats:

- Video: MPEG1 (VCD) / MPEG2 (DVD) / MPEG4 (avi and mp4-file extensions)
- Audio: WMA / CD-Audio
- Photo: JPEG Picture CD

Supports burned media

- CD-R/RW / DVD-R/RW / DVD+R/RW

Supports

- PAL
- NTSC

Supports wide screen

- 4:3 Pan & Scan & Letter box
- 16:9 wide screen

- Multi-lingual OSD, supports subtitles (DVD / MPEG4)

Connections:

- 2 headphone outputs
- audio/video in- and output
- coaxial digital audio output
- antenna input

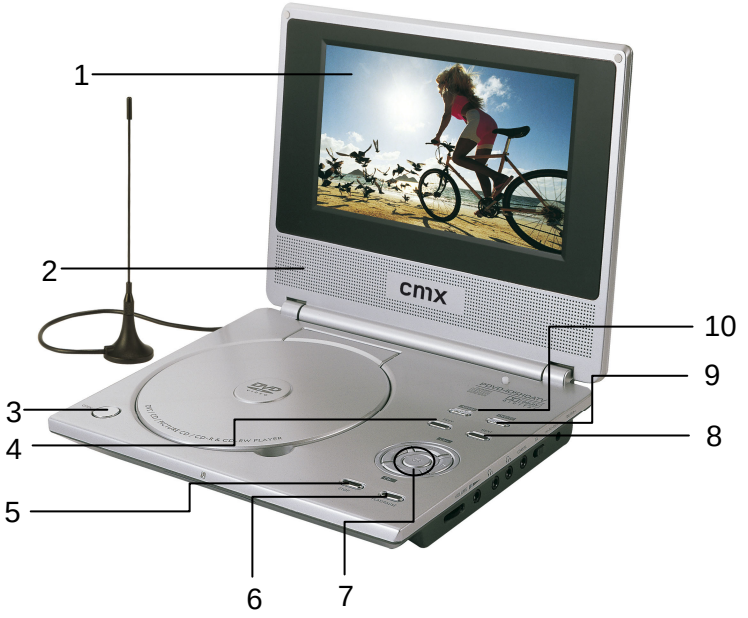
Note:

- Dolby and the double D-Symbol are brands of Dolby Laboratories.
- Manufactured under the license of Dolby Laboratories.
- Dolby Laboratories Inc. – all rights reserved.

3. Control elements

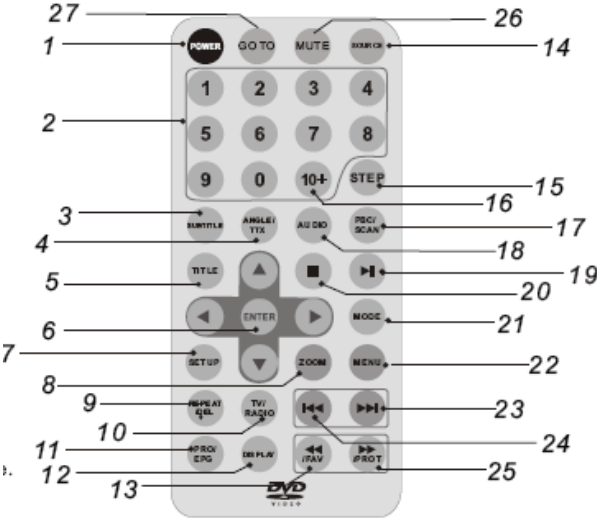
3.1. Button function device

1. display
2. speaker
3. open
4. MENU
5. “⏭”, “EPG”
6. “■”,“TTX”
7. “◀”, “▶”, “▲”, “▼”, “OK”
8. SETUP
9. DVBT/DVD
10. MODE



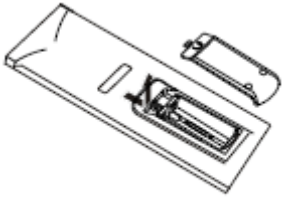
3.2. Button function remote control

1. POWER
2. 0-9 TASTEN
3. SUBTITLE
4. ANGLE / TTX
5. TITLE
6. ENTER
7. SETUP
8. ZOOM
9. REPEAT / DEL
10. TV / RADIO
11. PRO / EPG
12. DISPLAY
13. ⏮ / FAV
14. DVBT/DVD

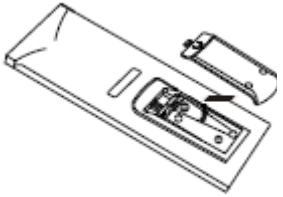


15. STEP
16. 10+
17. PBC / SCAN
18. AUDIO
19. ⏵⏸
20. STOP
21. MODE
22. MENU
23. SKIP –
24. SKIP +
25. ⏭ / PROT
26. MUTE
27. GO TO

3.2.1. First steps – remote control



Open the battery door



Insert batteries and close the battery door.

Note

- Point the remote at the IR receiver on the device (reach 5 m at 60 ° angle in both directions).
- Do not drop the remote control.
- The remote control must not get wet.
- Do not disassemble the remote control.
- Do not expose the IR sensor to direct sunlight.

Notes on batteries

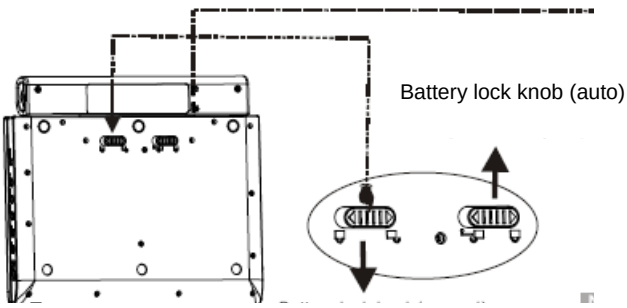
Wrong handling might result in battery leakage, please observe the following instructions:

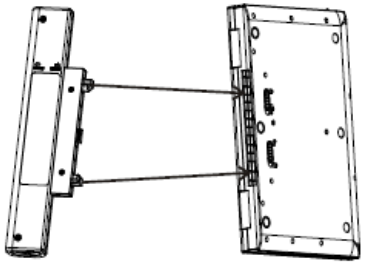
- Please observe correct polarity when inserting the batteries.
- Do not mix different battery types.
- Please remove the batteries if you will not use the remote for a longer period of time.
- Replace batteries in case of malfunctioning.
- Wipe off leaked battery acid and insert new batteries.
- Dispose of batteries environmentally friendly.

3.3. First steps – accumulator

Charge the battery before using it for the first time!

- Slide the battery lock to the location of .
- Match the hooks of the battery into the holes on the bottom of the player.
- Combine the battery to push up until you can hear the click sound.
- Slide the battery lock to the location of .





- Detaching the battery to separate the battery, slide the two battery locks on the side then pull the battery pack at the same time.

3.3.1. Charging accumulator

For production safety, this DVD player has got two charging modes:

- When the player is power on, the charging is slow.
- When the player is power off, the charging is fast.

When charging the control light is lighting red. Is the charging finished the control light lights green.

Note

A slow charging mode is approximate 20 hours. A fast charging mode is approximate 5 hours.

4. Included in delivery

accumulator

audio/video cable

car adaptor

user manual

infrared remote control

adaptor

rod antenna

stereo earphones

carrying bag

5. Use of remote control

POWER
Press POWER to switch on and off (standby).

0-9 keys
Use these keys to enter chapters-, tracks- and channels.

SUBTITLE
During DVD playback, press SUBTITLE several times in order to select your favourite subtitle language.

ANGLE / TTX
During DVD playback, press ANGLE / TTX in order to open different camera angles and to switch viewing angles.
During DVB-T playback, press ANGLE / TXT to open the videotext.

TITLE
During DVD playback, press TITLE to see the DVD title menu or to play the first title.

Note
Not every disc supports this function.

ENTER

With ENTER you confirm the menu selection.

SETUP
With SETUP you open the setting menu.

ZOOM
During VCD-, SVCD- or DVD playback press ZOOM to enlarge picture.

REPEAT / DEL
During DVD playback, press REPEAT/DEL to switch from title, chapter and tracks.
During DVB-T playback, press REPEAT/DEL to delete a channel.

TV / RADIO
With TV / Radio you switch in the DVB-T mode from TV to radio program.

PRO / EPG
Press PRO / EPG to pre-program the playback order.
In the DVB-T mode, press PRO / EPG to open the electronic program guide.

DISPLAY
With DISPLAY you see the disc and channel information's.

◂◂ / FAV
During DVD, CD or VCD playback, press ◂◂ / FAV to start the rapid rewind.
During DVB-T playback, press ◂◂ / FAV to play the favourite channels.

DVBT/DVD
With DVBT/DVD you can switch between the input DVBT/DVDs.

STEP
With STEP will gradually picture for picture.

10+
With 10+ you enter chapter or track numbers higher than 10.

PBC / SCAN
In the VCD playback, press PBC / SCAN to activate or deactivate PBC.
In the DVB-T playback, press PBC / SCAN to search stations.

AUDIO
With AUDIO you can call or switch the audio languages.

⏵⏸
Press ⏵⏸ to start or temporarily stop the playback.

■
Press ■ to stop playback.

MODE
With MODE you can select the TFT menu to setting brightness, contrast etc.

MENU
With MENU you call the DVD title menu with navigation buttons on or around PBC for VCD discs enable / disable.

SKIP-
Press SKIP- to skip to previous chapter or track.

SKIP+
Press SKIP+ to skip to next chapter or track.

⏩ / PROT
During DVD, CD and VCD playback, press ⏩ / PROT to rapid forward.

During DVB-T playback, press ⏩ / PROT to select the channel protection.

MUTE
With MUTE you can mute the sound.

GO TO
With GO TO call a chapter, title or time to play on.

6. Connectors

6.1. Power supply

- This set works on normal household AC-power.
- Make sure the set voltage of unit matches your local voltage.
- Insert the plug oft he AC-cord into a wall outlet with AC-power.

6.2. Headphone

- To connect the headphones insert the cable into socket on the right side of the unit.
- When the plug of a headphone is inserted into this jack, the built-in speakers will automatically be disabled. When the headphone is disconnected, the speakers will be re-activated.

6.3. Antenna

- To connect the antenna inserts the cable into the socket on the left side of the unit.

Note

In the internet on www.dvb-t.at you can inquire how far or tight your area is covered with DVB-T.

7. Basic operations

7.1. MPEG4 movies

MPEG4 disc compatibility with this player is limited as follows:

- Resolution must not exceed 720 x 576 pixels.
- Subtitle file may no longer than 56 characters.
- If the number of screen frame is over 30 per second, this unit may not operate normally.
- If the video and audio structure of recorded file is not interleaved, either video or audio is outputted.

7.2. Audio CD’s

Once an audio CD is inserted it will be played automatically. Its playback information will be show on screen, such as chapter elapse time.

- Sampling frequency: 8 to 48 kHz – MP3 / 32 to 48 kHz – WMA

- Bit rate: 8 to 320 kbps – MP3 / 32 to 192 kbps – WMA
- CD-R physical format should be ISO 9660.
- File names should have a maximum of 8 letters and must incorporate an .mp3 or .wma extension.
- They should not contain special letters.

7.3. JPEG

Depending upon the size and number of JPEG files, it could take a long time for the DVD player to read the disc's contents.

There are types for slide show. With PRO/EPG you can select the slide show mode.

- Picture must be less than 2 megapixels.
- Max. Resolution 2760 x 2048.
- The total number on the disc should be less than 650.

7.4. Program playback

This function is not for JPEG- and MP3 files.

The program function enables you to store your favourite tracks from any disc in the player memory:

- Press PRO / EPG, the program menu appears.
- Use the keypad 0-9 to direct input the titles, tracks or chapters (single track number with 0, i.e. 05).
- With ▲, ▼, ◀ and ▶ select START.
- To resume normal playback from programmed playback, press PRO / EPG and press STOP button on the program menu.

Note

- Program can be activated only when a disc is in the DVD player.
- When the program menu appears, the setup menu setting is forbidden.

8. DVB-T

Direct digital TV enjoyment with PDT 4102 via the built-in DVB-T module.

8.1. Auto Scan

Repeatedly press the SOURCE button (on the device or on the remote control) until DVB-T is selected.

- Press PBC / SCAN on the remote control.
- You are prompted if scanning is to be started. Select OK or Cancel and press ENTER.

During channel search the progress bar is displayed. On the right hand side the found channels are displayed. About 3 seconds after finishing the channel search the first channel is played.

Note
During channel search press PBC / SCAN to cancel scanning.

8.2. Manual Scan

Repeatedly press the SOURCE button (on the device or on the remote control) until DVB-T is selected.

- Press SETUP.
- Go to DVB-T page.
- Go to channel settings and than press ENTER.
- Go to manual scan and press ENTER.
- Press ▲ and ▼ to select a frequency you want or press digital number on the remote control.
- Press ENTER to confirm.

The unit will save all digital TV stations and list them below found channels.

Note
Press PBC / SCAN key to exit manual scan page and start to play program.

8.3. Teletext

- Press ANGLE/TTX to turn on teletext.
- With the number keys 0-9 you can open the main pages.
- With ▼ or ▲ you go to previous or next page.
- With ◀ or ▶ you go to the sub pages.

Note
After pressing AUDIO you can use the buttons as follow:

ZOOM = turn the text double

MENU = hold the current page

⏭ = brighter/darker page setting

8.4. Electronic program guide (EPG)

The EPG menu is used to look at what is being broadcast on a TV channel later in the day.

- To access the EPG menu, press PRO/EPG on the remote control.
- Go to program and press ENTER to access the information.

8.4.1. Reserve channel

Reserve channel is to remind you the TV program will be start after the time you set before.

- To access the EPG menu, press PRO/EPG on the remote control.
- Choose program and press ENTER to access the information.
- Select OK to reserve this program.

8.5. Move channel

With the option channel move you set the order of the programs and settings in the channel list.

.

- Press SETUP.
- Go to DVB-T page.
- Highlight a channel to move and press ENTER.
- With ▲ and ▼ you got to the channel and than select this one with ENTER.

- Then go to the new position, where the channel will be sorted again and press ENTER.

8.6. Adjust channel

Adjust channel allows you to delete channels, to add the channels to your favorites or protect channels.

- Press SETUP.
- Go to DVB-T page.

8.6.1. Favourites

- With ◀◀/FAV you fix a favourite channel.
- Red symbols choose in addition, which indicates that this channel is added to the favourites.

8.6.2. Delete

- With REPEAT/DEL you delete channels.
- Green symbol choose in addition, which indicates that this channel is marked up to delete.

Note
The channel is in the DVB-T setup as deleted, but remains in this list. In the selection of television will he not be shown. This saves the further search and the sender can at any time in the program selection.

8.6.3. Protected

Here you can protect channels.

- With ⏩/PROT you protect a channel.
- Enter the pin code (factory setting 1369) and confirm with OK.
- A yellow symbol chooses in addition, which indicates that this channel is protected.

Note

If you want to select the protected channel in the program list, so you must entered the password.

9. DVD player

9.1. Insert and removal of discs

- When opening the CD-door, always ensure the discs is not in motion (not spinning) when you open the CD-door. Always press the “STOP” key to stop the disc spinning first.
- Place a CD into the compartment with the label-side (printed side of disc) facing upwards. Press down in the center part of disc until the disc “locks” onto the center spindle.
- When the CD has been placed onto the center spindle, gently lower the CD-door downwards until it locks shut.
- The CD is now ready to be played.
- To remove a disc, follow the same procedure as described above, except to remove the CD instead of inserting it into the compartment, by placing one finger at the middle of disc (center spindle) and the other at the edge of the disc and gentle pulling upwards.

10. Setup Menu

Press the SETUP button to access the setup menu. Press ◀ and ▶ to access the different menus. Press ▲ and ▼ to select items in the menu. Press ENTER to confirm your selection.

10.1. General

TV Display

4:3 PANSCAN – Displays complete picture – picture is cut off on the left and right (default setting)

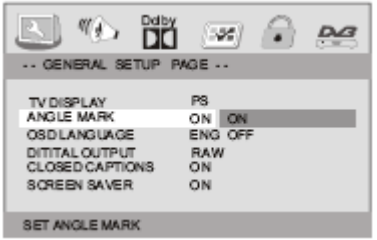
4:3 LETTERBOX – Displays complete picture – picture with black bars on top and button.

16:9 – wide screen

Note

Not all DVDs support complete picture mode that is why the disk overrides the setting.

Angle mark



Displays current angle setting information on the right hand corner of the TFT screen if available on the disc.

ON – Angle mark activated.

OFF – Angle mark deactivated.

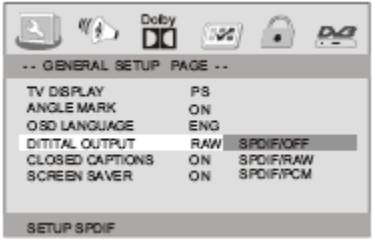
OSD language

Here you can select the menu language.

Note

If the language selected is not available on the disc, the disc's default language will be used instead.

Digital output



SPDIF/PCM – 5.1; Select, if your DVD player is connected to the amplifier by means of coaxial cable. The digital output of the player is designed for connection to a Dolby Digital, MPEG receiver or decoder. (5.1)

SPDIF/RAW – 2.0; Select, if your player is connected to a digital stereo amplifier.

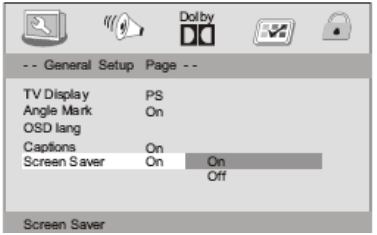
SPDIF/OFF – Deactivation of the Dolby Digital decoder.

Closed captions

Closed captions are data that are hidden in the video signal of some discs. Captions are different from subtitles because captions hearing are impaired by showing the sound effects (e.g. phone ringing and footsteps), while subtitles do not.

Before you select this function, please ensure that the disc contains closed captions information and your TV set also has this function.

Screensaver



The activated screensaver turns on, when you're turned-on DVD player is for more than 3 minutes in stop mode, open or without disk.

ON – Screensaver is activated. (default setting)
OFF – Screensaver is deactivated.

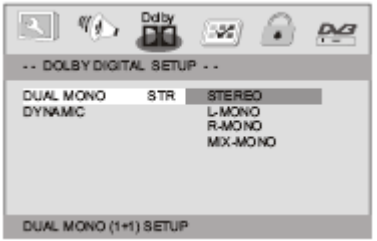
10.2. Analogue audio settings

LT/RT – Choose this setting for cinema sound, if your disc is recorded in Dolby Digital Pro Logic.

STEREO – Choose this setting for normal stereo sound.

10.3. Dolby Digital

Dual Mono



STEREO – Both speakers plays the audio signal.

L-MONO – Both speakers plays the left channel spoor.

R-MONO – Both speakers plays the right channel spoor.

MIX-MONO – Both speakers plays the mixed channel spoor.

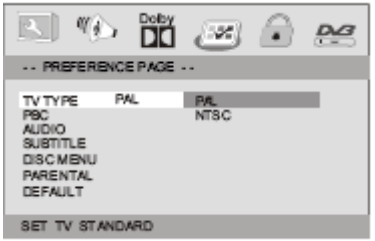
Dynamic

To optimize the dynamic sound output high volume outputs are softened.

10.4. Preference

Some preference features can be selected only during no disc condition or stop mode.

TV Type



NTSC – Select for TV with NTSC signal system.
PAL – Select for TV with PAL signal system.

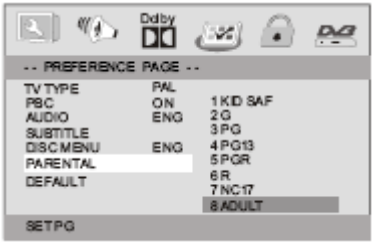
PBC
Playback Control only for VCD
Activate/deactivate the PBC function.

Audio
Set the disc audio language.

Subtitle
Set the disc subtitle language.

Disc Menu
Set the disc menu language.

Parental



Some DVDs may have a parental level assigned to complete disc or to certain scenes on the disc. This feature lets you set a playback limitation level. The rating levels are from 1 to 8 and are country dependent. You can prohibit the playing of certain discs that are not suitable for your children or have certain discs played with alternative scenes.

VCD, SVCD and CD have no level indication, so parental control function has no effect on those kinds of discs. This applies to most illegal DVD discs.

1 KID SAF _ Kids material, recommended especially for children and viewers of all ages.

2 G – General Audience recommended as acceptable for viewers of all ages.

3 PG – Parental Guidance suggested

4 PG13 – Material is unsuitable for children under age 13.

5-6 PG-R – Parental Guidance-restricted, recommended that parents restrict children under 17 from viewing or allow viewing only when supervised by a parent or adult guardian.

7 NC17 – No children under age 17, not recommended viewing for children under age 17.

8 ADULT – Should be viewed only by adults due to graphic sexual material, violence or language.

OFF - It will play all discs.

Note
The password is 1369.

Default
This function will reset all options.

10.5. Password

Here you can activate or deactivate the password and you can chance the password.

11. Technical data’s

11.1. Supported disc formats

Disc type	Diameter	Playback time	Data format
MPEG4	12 cm / 8 cm	74 min. / 20 min.	MPEG4
DVD	12 cm	1 Layer – 12 min. / 2 Layer – 240 min.	digital audio digital video
	8 cm	1 Layer – 80 min. / 2 Layer – 180 min.	
SVCD	12 cm	45 Min.	MPEG2 digital audio digital video
VCD	12 cm	74 Min.	MPEG1 digital audio digital video
	8 cm	20 Min.	
CD	12 cm / 8 cm	74 Min. / 20 Min.	digital audio

JPEG	12 cm	600 Min.	digital audio digital freeze image

11.2. Specifications

Video Formats	MPEG4 DVD-Video / DVD-Audio CD / SVCD / VCD
Audio Formats	Audio-CD / WMA
Signal outputs	Color system: PAL / NTSC Audiosystem: Dolby Digital / Downmix / Stereo Video output: 1 Vpp (bei 75 Ohm) Audio output (Stereo): 1,4 Vrms (1 kHz, 0 dB)
Frequency response	20 Hz – 20 kHz +/- 1 dB
Signal to noise ratio	> 80 dB – only analogue output
Connectors	2 headphone outputs audio/video in- and output coaxial digital audio output antenna input

Supply voltage	AC 100-240 V ~ 50/60 Hz
Power consumption	< 10 Watt
Laser	Semiconductor laser, wavelength 650 mm
Accumulator	ca. 7,4 Volt
Storage circumstances	6 month: - 20 ~ + 45 Grad / 65 ± 20 % humidity 1 week: - 20 ~ + 65 Grad / 65 ± 20 % humidity
Work circumstances	charge: 0 ~ + 45 Grad / 65 ± 20 % humidity operation: 20 ~ + 65 Grad / 65 ± 20 % humidity
Dimensions	215 x 37,3 x 175 mm

12. Troubleshooting

No picture

- Ensure that the equipment is connected properly.
- Ensure that the input settings fort he TV and stereo system are proper.

No sound or distorted sound

- Ensure that the equipment is connected properly.
- Ensure that the input settings fort he TV and stereo system are proper.

No playback

- Condensation has formed, please wait about 1 to 2 hours to allow the player to dry out.
- Ensure that a compatible format is in the player.
- The disc may be dirty ort he disc is wrong installed.

Remote control isn't work

- Check the batteries are installed with the correct polarities.
- Ensure that the batteries aren't empty.

- Point the remote control unit at the sensor on the device and remove the obstacles.
- The remote control has a range of 8 m.

No key operation

- Turn the unit off and then back to on. Alternatively, turn off the unit, disconnect the AC power cord and the re-connect it (The player may not be operating properly due to lightning, static electricity or some other external factors).

Audio soundtrack or subtitle language is not the one selected at the initial settings

- If the audio soundtrack or subtitle language does not exist on the disc, the language selected at the initial setting will not be seen/heard.

Angle cannot be changed

- This function is depended on software availability. Even if a disc has a number of angles recorded, these angles may be recorded for specific scenes only.

If you are not able to solve the problem with the above list, please contact your dealer or cmx® service team.

Please do not open appliance by yourself!

13. Glossary

Aspect ratio 4:3 and 16:9
Complete picture is for programs that have been developed for TV display with aspect ratio of 4:3. Wide screen is for aspect ratio of 16:9. If you display wide screen programs on a 4:3 monitor, you will see black bars on the bottom and top.

MPEG4
MPEG4 is a standard, mainly for the compression of audio and video digital data. MPEG4 contains many features of MPEG1 and MPEG2 as well as of other similar standards.

NTSC
Quite common TV standard, especially in the U.S. and Asia. 525 lines (480 visible) and 60 Hz updating rate. Explains the way how video information (brightness, colour) are being transmitted. In Europe this standard can only be found with imported media (such as U.S. DVDs).

PAL
European TV standard PAL mean Phase Alternation Line, 625 lines (576 visible) and 50 Hz updating rate. Explains the way how video information (brightness, colour) are being transmitted.